

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Section 1. CHEMICAL PRODUCT SECTION

1.1 Identification: Product Name: STATICIDE® Static Sentry
Product Number: # 2006
CAS#: Mixture (see section 3)

1.2 Product description: Anti-static topical in aerosol form
Product type: aerosol
Application: Industrial applications

1.3 Manufacturer: ACL Incorporated
840 W. 49th Place
Chicago, IL 60609

PH: (01) 847.981.9212 [U.S.A.]
FAX: (01) 847.981.9278 [U.S.A.]

Email of responsible party for SDS: marykay@aclstaticide.com

1.4 Emergency telephone:
US/Canada Emergency TEL: INFOTRAC: (01) 800.535.5053 (day or night)
International Emergency TEL: INFOTRAC: 352.323.3500 (day or night)

Section 2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Product definition: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] & (US) OSHA HCS 2012:

PHYSICAL/CHEMICAL HAZARDS: Extremely flammable aerosol – Category 1

HUMAN HEALTH HAZARDS: Serious eye damage / eye irritation - Category 2A

ENVIRONMENTAL HAZARDS: Not classified

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements: H222: Extremely flammable aerosol.
H229: Pressurized container; may burst if heated
H280: Contains gas under pressure; may explode if heated
H319 Causes serious eye irritation

Precautionary statements

General If medical advice is needed, have container or label at hand (P101)
Keep out of reach of children (P102)
Read label before use (P103)

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Do not spray on open flame or other ignition source (P211)

Do not pierce or burn, even after use. (P251)
Wash hands thoroughly after handling (P264)
Do not eat, drink, or smoke when using this product (P270)
Wear protective gloves, protective clothing and eye protection (P280)

Response: **IF INHALED**, call poison center if you feel unwell (P304 + P312)
IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305 + P351 + P338)
If eye irritation persists, get medical attention or advice (P337 + P313)
IF ON SKIN, wash with plenty of water. (P302 + P352)
Take off contaminated clothing and wash before reuse (P362 + P364)
Call doctor center if you feel unwell (P312)
If skin irritation or rash occurs: Get medical attention (P332 + P313)

Storage Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
(P410 + P412)

Disposal Dispose of contents in accordance with state and local laws as they vary (P501)

2.3 Other Hazard: None known

Section 3.	COMPOSITION / INFORMATION ON INGREDIENTS
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3.1 Substances

CHEMICAL	CAS	CLASSIFICATION	WEIGHT %
Isopropanol	67-63-0	Flam. Liq. 2; H225 Eye Irrit. 2A; H319 STOT SE 3; H336	70 – 75
Liquefied Petroleum Gas	68476-86-8	Flammable gas,1; H220 Gases under pressure, liquefied gas; H280	23 - 27
Quaternary ammonium compounds, coco alkylbis (hydroxyethyl)methyl, nitrates	71487-00-8	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute): 1	1 – 2

Section 4.	FIRST AID MEASURES
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4.1.1 General Information

4.1.2 Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Oxygen may be administered if breathing is difficult. Seek medical attention.

4.1.3 Skin:: Check for and remove any contact lenses. Flush eyes with large amounts of water for 15 minutes. Cold water may be used. Get medical attention.

4.1.4 Eyes: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing and shoes before reuse. Seek immediate medical attention.

4.1.5 Ingestion: DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

4.1.6 Self-protection of the first aider: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed:

Potential acute health effects

Eye contact: Causes serious eye irritation.

Inhalation: Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness

Anesthetic effects at high concentrations

Skin contact: No known significant effects or critical hazards.

Ingestion: Isopropyl alcohol can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following: pain or irritation watering redness

Inhalation: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness

Skin contact: No specific data

Ingestion: No specific data

4.3: Indication of any immediate medical attention and special treatment needed: Notes to Physician:

Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to high concentrations of hydrocarbon solvents (e.g., in enclosed spaces or with deliberate abuse). The use of other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

Section 5.	FIRE FIGHTING MEASURES
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5.1 Extinguishing Media

Suitable Extinguishing Media: Alcohol resistant foam, carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media: Not determined.

5.2 Specific hazards arising from substance or mixture Not determined.

Hazardous Combustion Products: Not determined.

5.3 Advice from fire fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6.	ACCIDENTAL RELEASE MEASURES
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6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment as required

For non-emergency personnel: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials

6.2 Environmental precautions Stop spill or release if it can be done safely. If spill occurs on water, notify the appropriate authorities.

6.3 Methods and material or containment and cleaning up

6.3.1 For containment: Prevent further leakage or spillage if safe to do so

6.3.2 For cleaning up Halt spill at source and contain or dike spill with inert absorbent material. Transfer liquid to containers for recovery or disposal. Shovel absorbent into drums for disposal in accordance with local, state and federal regulations

6.3.3 Other information: Keep away from heat. Keep away from sources of ignition.

6.4 Reference to other sections: For personal protection, see Section 8

Section 7.	HANDLING AND STORAGE
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7.1 Precautions for safe handling:

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection.

7.2 Conditions for safe storage including incompatibilities:

Storage Conditions: Ambient (40° - 90° F)

Incompatible Materials: None known based on information supplied.

7.3 Specific end use(s)

Recommendations: Eliminate static from various surfaces including fiber

Industrial sector specific solutions: Unknown

Section 8.	EXPOSURE CONTROL / PERSONAL PROTECTION
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8.1 Control parameters

Exposure Guidelines

Chemical Name	OSHA PEL		ACGIH TLV		
		ppm	Mg/m ³	ppm	Mg/m ³
2- Propanol	TWA	400 ppm	980 Mg/m ³	400 ppm	983 Mg/m ³
	STEL	500 ppm	1225 Mg/m ³	500 ppm	1230 Mg/m ³
Propane	TWA	1000 ppm			
Isobutane	STEL	1000 ppm			

8.2 Exposure controls:

8.2.1 Appropriate engineering controls Eyewash stations. Ventilation systems.

8.2.2 Personal protective equipment No respirator required in well ventilated areas.

8.2.2.1 Eye and face protection Wear approved safety goggles.

8.2.2.2 Skin protection Wear rubber gloves. Wear protective work clothing

8.2.2.3 Respiratory protection No respirator required in well ventilated areas.

8.2.2.4 Thermal hazards : None

Section 9.	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance	Clear aerosol spray
Odor	alcohol
pH	7.1
Melting point/freezing point	NE / Less than 0°C
Initial boiling point and boiling range	80°C (180°F)
Flash point and method	12° C (54 °F) TCC
Evaporation rate	(H2O =1) 1 estimate
Flammability (solid, gas, liquid)	Pressurized gas
Upper/lower flammability or explosive limits	LEL: 2% UEL: 12% (Isopropyl alcohol)
Vapor pressure	33 mm Mercury / 25 °C
Vapor density (air=1)	2.1 estimate
Relative density	0.79 gm/cc

Solubility(ies).	Miscible
Partition coefficient: n-octanol/water	NE
Autoignition temperature	The lowest known value is 399 °C (750 °F) (Isopropyl alcohol)
Decomposition temperature	NE
Viscosity	2 cp at 25 °C
Volatile by weight	>98.5%

9.2 Other safety information: None

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity: Stable under recommended storage conditions

10.2 Chemical stability Stable under recommended storage conditions

10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, will not occur

10.4 Conditions to avoid: Keep away from heat, flames, and sparks.

10.5 Incompatible materials: None known based on information supplied

10.6 Hazardous decomposition products: Not determined

Section 11. TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Quaternary ammonium compounds, coco alkylbis (hydroxyethyl)methyl, nitrates (salts)	LD50 Oral	Rat	400 mg/kg	-
propan-2-ol	LC50 Inhalation Vapor	Rat – Male	66100 mg/m ³	4 hours
	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-

Conclusion/Summary: Not available

Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
propan-2-ol	Eyes - Moderate irritant	Rabbit	24 hours 100 milligrams
	Eyes - Moderate irritant	Rabbit	10 milligrams
	Eyes - Severe irritant	Rabbit	100 milligrams
	Skin - Mild irritant	Rabbit	500 milligrams

Conclusion/Summary: Not available

Sensitization Conclusion/Summary: Not available.

Mutagenicity Conclusion/Summary: Not available.

Carcinogenicity Conclusion/Summary: Not available.

Reproductive toxicity Conclusion/Summary: Not available.

Teratogenicity Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
propan-2-ol	Category 3	Not applicable.	Narcotic effects

Specific target organ toxicity (repeated exposure): Not available.

Aspiration hazard: Not available.

Information on the likely routes of exposure: Not available.

Potential acute health effects

Eye Contact: Causes eye irritation

Skin Contact: May cause skin irritation or dryness

Inhalation: Do not inhale

Ingestion: Do not ingest

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include the following: Pain, watering, redness

Inhalation: Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness

Skin contact: Adverse symptoms may include the following: pain or irritation, redness, blistering may occur

Ingestion: Adverse symptoms may include the following: stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

Long term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

Potential chronic health effects: Not available.

Conclusion/Summary: Not available.

General: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Other information: No known significant effects or critical hazards.

Section 12.	ECOLOGICAL INFORMATION
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12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
propan-2-ol	Acute LC50 1400000 to 1950000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 4200000 µg/l Fresh water	Fish - Rasbora heteromorpha	96 hours
Quaternary ammonium compounds, benzyl- C12-18-alkyldimethyl, chlorides	Acute LC50 0.31 mg/l	Fish	96 hours

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Quaternary ammonium compounds, coco alkylbis (hydroxyethyl)methyl, nitrates (salts)	-	20 % - 42 days	-	-
propan-2-ol	301E Ready Biodegradability - Modified OECD Screening Test	95 % - 21 days	-	-

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
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propan-2-ol	-	-	Readily
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12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
propan-2-ol	0.05	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}): Not available.

Mobility: Not available.

12.5 Results of PBT and vPvB assessment

PBT: Not available.

vPvB: Not available.

12.6 Other adverse effects: No known significant effects or critical hazards.

Section 13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

13.1.1 Product / Packing Disposal

Product

Methods of disposal: Offer surplus and non-recyclable solutions to a licensed disposal company

Hazardous waste: RCRA 40 CFR 261 Classifications: Code D001 Ignitable Waste

Contaminated Packaging

Methods of disposal: Dispose of as unused product. Waste packaging should be recycled.

13.1.2 Waste treatment-relevant information: Incineration or landfill should only be considered when recycling is not feasible. Handle empty containers with care because residual vapours are flammable

13.1.3 Sewage disposal-relevant information: Avoid release to the environment

13.1.4 Other disposal recommendations: Federal, State, and Local laws governing disposal of material can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14. TRANSPORTATION INFORMATION

	Proper Shipping Name	Hazard Class	UN number	NOTE
US DOT ground	Consumer Commodity	ORM-D	NA	Flame projection testing in accordance with 16CFR1500.45 found no flame projection.
US DOT air	AEROSOLS, Flammable, (each not exceeding 1L capacity)	2.1	UN1950	May be classified as Consumer commodity, ID 8000, class 9, Y963 packing instruction
IATA	AEROSOLS, Flammable (each not exceeding 1L capacity)	2.1	UN1950	IATA Labels required: Flammable Gas Limited Quantity: Y203
IMDG	AEROSOLS, Flammable (each not exceeding 1L capacity)	2.1	UN1950	Limited Quantity: Y203

Section 15. REGULATORY INFORMATION

US Federal Regulations: MSDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.
CERCLA/Superfund, 40 CFR 117, 302: None of the chemicals are CERCLA hazards

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:

Section 302 – None of the chemicals are extremely hazardous substances (40 CFR 355).

Section 311/312 – Material Safety Data Sheet Requirements (40 CFR 370): By our hazard evaluation, this product is hazardous. It should be reported as an immediate (acute) health hazard.

Section 313 – List of Toxic Chemicals (40CFR 372): This product contains chemicals (at level of 1% or greater) that are found on the 313 list of Toxic Chemicals.: Isopropyl alcohol (CAS 67-63-0)

Toxic Substance Control Act (TSCA): **All substances are TSCA listed.**

Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D: Code D001 Ignitable Waste

STATE REGULATIONS:

The following chemicals are specifically listed by individual state; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state

STATE	CHEMICAL	C.A.S. NUMBER	WEIGHT %
PA, NJ, MA	Isopropyl alcohol	67-63-0	33 – 38

California Proposition 65: --- **None of the chemicals are on the Proposition 65 list---**

INTERNATIONAL REGULATIONS:

Canada WHMIS:

904 (1050 FR) Isopropanol is listed on Ingredient Disclosure List (SOR/88-64)

Class B-2: Flammable liquid with a flash point lower than 37.8° C (100° F)

All Intentionally present components are listed on the DSL

To the best of our ability, this SDS is written in accordance to REACH Directive EC1907/2006 Annex II and GHS requirements. This product is not subject to REACH restrictions. It does not contain any candidates on the SvHC.

Sections 16. OTHER INFORMATION

NFPA HAZARD RATING: **(3)** Fire **(1)** Health **(0)** Reactivity

REVISION DATES, SECTIONS, REVISED BY:

12-DEC-13,	Original release date
09-JUN-15	GHS updates, mkb
28-Mar-16	Section 14, mkb
18-Jan-17	Section 3 corrected propellant, added REACH formatting elements to all sections, mkb

ABBREVIATIONS USED IN THIS DOCUMENT:

NE – Not Established, NA – Not Applicable, NIF – No Information Found

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR)
Chemical Guide and OSHA Hazardous Communication Standard
The Environmental Protection Agency (www.epa.gov)
ANSI Standard: ANSI Z400.1-1998
Merck Index
Directive EC1907/2006
UN ST/SG/AC.10/30/ GHS

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